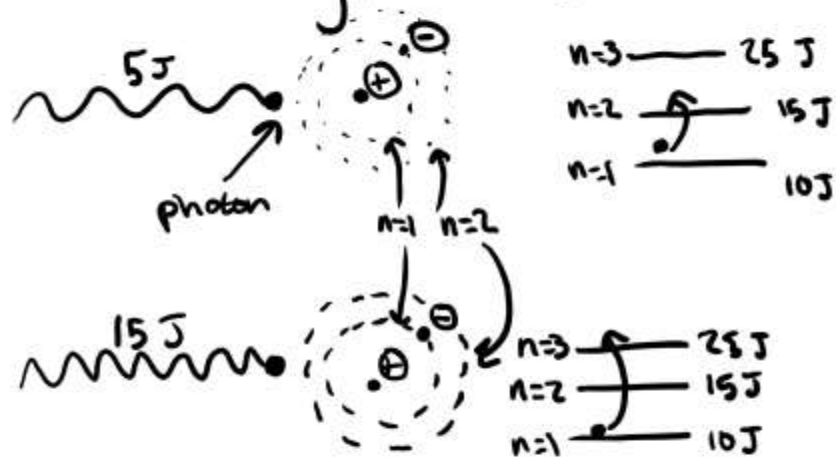


## Energy absorption/ emission review notes

### Absorption:

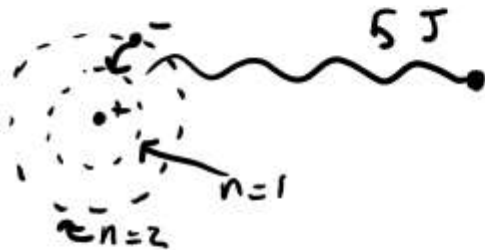
- can only occur if a photon has EXACTLY enough energy to excite an electron to the next energy level.



- if not EXACT amount, photon does not interact w/ atom.

## Emission

- once an atom has absorbed energy, it will release that energy back as a photon.



- if an atom has many energy levels, it can emit more photons.



- it can now emit in different ways.

- Energy/freq of light based on difference in energy.

